

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839945

Luminaire Tested: **LDS4C30D010 EU4309050 4LBSWMH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C30D010 EU4309050 4LBSWMH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

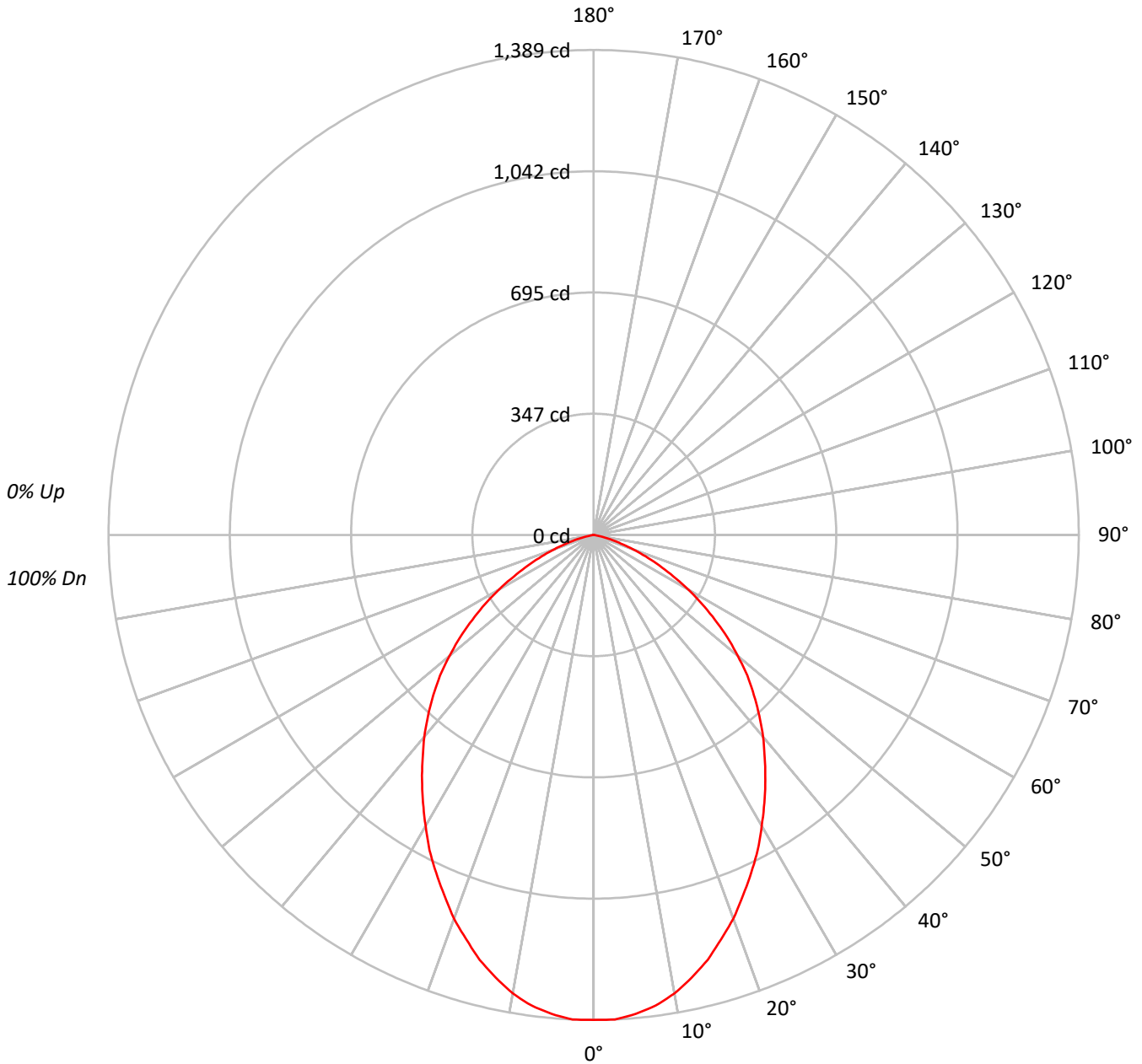
Lumens per Lamp: N/A
Luminaire Lumens: 2656.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P839945

CATALOG NUMBER: LDS4C30D010 EU4309050 4LBSWMH

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	170656
5°	169865
10°	166352
15°	160307
20°	152924
25°	144690
30°	136483
35°	128500
40°	121002
45°	112793
50°	102845
55°	90837
60°	76882
65°	60349
70°	43068
75°	23591
80°	4174
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	4.9
10°-20°	353.7	13.3
20°-30°	491.1	18.5
30°-40°	535.9	20.2
40°-50°	499.9	18.8
50°-60°	379.5	14.3
60°-70°	207.8	7.8
70°-80°	57.2	2.2
80°-90°	0.8	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	974.9	36.7
0°-40°	1510.8	56.9
0°-60°	2390.2	90.0
0°-90°	2656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1389	
5°	1377	130
15°	1260	354
25°	1067	491
35°	857	536
45°	649	500
55°	424	379
65°	208	208
75°	50	57
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1389.1
2.5°	1389.1
5°	1377.4
7.5°	1359.9
10°	1333.5
12.5°	1298.5
15°	1260.4
17.5°	1213.7
20°	1169.7
22.5°	1117.1
25°	1067.4
27.5°	1017.7
30°	962.1
32.5°	909.5
35°	856.8
37.5°	804.2
40°	754.5
42.5°	701.8
45°	649.2
47.5°	596.6
50°	538.1
52.5°	482.5
55°	424.1
57.5°	368.4
60°	312.9
62.5°	257.4
65°	207.6
67.5°	160.8
70°	119.9
72.5°	81.9
75°	49.7
77.5°	23.4
80°	5.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)